

Material: JIS H 5203 MgAl6Zn3 Class 1

Standard Specification for Magnesium Alloy Casting

Group: Non-Ferrous Magnesium Alloy

Sub Group: JIS H 5203 Magnesium Alloy Casting

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	5.000 - 7.000	As-Cast or Solution Treated	
Copper	Cu %	0.200 max.		
Iron	Fe %	0.050 max.		
Manganese	Mn %	0.100 - 0.500		
Nickel	Ni %	0.010 max.		
Silicon	Si %	0.300 max.		
Zinc	Zn %	2.000 - 3.500		
Magnesium	Mg %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	160 min.
-	-	-	Yield Strength in Mpa	75 min.
-	-	-	Elongation in %	3 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
MgAl6Zn3	ISO	International	Bar and Wire
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-	-	-	-
-	-	-	-
-	-	-	-
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